

Calibration gas ensures that your gas detector is functioning properly and responding to gas exposures as expected. Gas detection equipment should be calibrated monthly to ensure the sensors in your gas detector are functioning properly. All Industrial Scientific calibration cylinders are manufactured to the highest quality standards and include NIST-traceable blend techniques, analytical leak testing of every cylinder, certified component concentrations, and clearly marked lot numbers and expiration dates. Replacement cylinders are available in a variety of sizes and concentrations for all gases detected by Industrial Scientific instruments.



DEMAND FLOW REGULATORS

PART NO.	DESCRIPTION	Vol	0.5LPM Regulator	Demand Flow	with iGas Pressure Switch
18105825	CYL, 200 ppm CO, 75 ppm H ₂ S, 15% O ₂ , 25% LEL Methane (For bump testing only)	11L	18100883	18102509	18105841
18109173	CYL, 18% O ₂ , 25% LEL Pentane	103L	18100883	18102509	18105841
18109174	CYL, 100 ppm CO, 18% O ₂ , 2.5% Methane	103L	18100883	18102509	18105841
18109187	CYL, 100 ppm CO, 18% O ₂ , 2.5% Methane	552L	18102260	18103549	18105833
18109199	CYL, 100 ppm CO, 18% O ₂ , 2.5% Methane	4,000L	n/a	18103556	18105858
18109165	CYL, 100 ppm CO, 18% O ₂ , 25% LEL Pentane	103L	18100883	18102509	18105841
18109161	CYL, 100 ppm CO, 18% O ₂ , 25% LEL Pentane	552L	18102260	18103549	18105833
18109156	CYL, 100 ppm CO, 25 ppm H ₂ S, 18% O ₂ , 2.5% Methane	58L	18100883	18102509	18105841
18109158	CYL, 100 ppm CO, 25 ppm H ₂ S, 18% O ₂ , 2.5% Methane	116L	18100883	18102509	18105841
18109160	CYL, 100 ppm CO, 25 ppm H ₂ S, 18% O ₂ , 2.5% Methane	650L	18103374	18103556	18105858
18109198	CYL, 100 ppm CO, 25 ppm H ₂ S, 18% O ₂ , 50% LEL Methane	4,000L	n/a	18103556	18105858
18109155	CYL, 100 ppm CO, 25 ppm H ₂ S, 18% O ₂ , 25% LEL Pentane	58L	18100883	18102509	18105841
18109157	CYL, 100 ppm CO, 25 ppm H ₂ S, 18% O ₂ , 25% LEL Pentane	116L	18100883	18102509	18105841
18109159	CYL, 100 ppm CO, 25 ppm H ₂ S, 18% O ₂ , 25% LEL Pentane	650L	18103374	18103556	18105858
18109194	CYL, 100 ppm CO, 25 ppm H ₂ S, 18% O ₂ , 25% LEL Pentane	4,000L	n/a	18103556	18105858
18109176	CYL, 100 ppm CO, 2.5% CO ₂ , 18% O ₂ , 25% LEL Pentane	103L	18100883	18102509	18105841
18109186	CYL, 100 ppm CO, 2.5% CO ₂ , 18% O ₂ , 25% LEL Pentane	552L	18102260	18103549	18105833
18109269	CYL, 250 ppm CO, 2.5% CO ₂ , 18% O ₂ , 50% LEL Methane	103L	18100883	18102509	18105841
18109251	CYL, 100 ppm CO, 25 ppm H ₂ S, 2.5% CO ₂ , 18% O ₂ , 2.0% (40% LEL) Methane	116L	18100883	18102509	18105841
18109363	CYL, 100 ppm CO, 25 ppm H ₂ S, 2.5% CO ₂ , 18% O ₂ , 2.0% (40% LEL) Methane	650L	18103374	18103556	18105858
18109250	CYL, 100 ppm CO, 25 ppm H ₂ S, 2.5% CO ₂ , 18% O ₂ , 25% LEL Pentane	116L	18100883	18102509	18105841
18109362	CYL, 100 ppm CO, 25 ppm H ₂ S, 2.5% CO ₂ , 18% O ₂ , 25% LEL Pentane	650L	18103374	18103556	18105858
18109236	CYL, 100 ppm CO, 5 ppm NO ₂ , 18% O ₂ , 25% LEL Pentane	116L	18100883	18102509	18105841
18109235	CYL, 100 ppm CO, 5 ppm NO ₂ , 18% O ₂ , 25% LEL Pentane	650L	n/a	n/a	18106740
18109184	CYL, 100 ppm CO, 5 ppm NO ₂ , 18% O ₂ , 2.5% Methane	58L	18100883	18102509	18105841
18109324	CYL, 5 ppm SO ₂ , 18% O ₂ , 2.5% Methane	116L	18100883	18102509	18105841



Automatic Calibration Gas Replenishment Program

By joining the Auto Replenishment Program, you ensure that you and your team are never without calibration gas and therefore never without a properly calibrated instrument. For those who register for the program, a new cylinder of gas will automatically be sent when iNet Control detects a low gas cylinder.

NOTE: Calibration gas cylinder expiration times vary due to gas type. Please contact Industrial Scientific for detailed information.

DEMAND FLOW
REGULATORS

PART NO.	DESCRIPTION	Vol	0.5LPM Regulator	Demand Flow	with iGas Pressure Switch
18102151	CYL, 25 ppm Ammonia (NH ₃)	58L	18100883	18102509	18105841
18109081	CYL, 25ppm Ammonia (NH ₃)	116L	18100883	18102509	18105841
18106658	CYL, 25 ppm Ammonia (NH ₃)	650L	n/a	n/a	18106740
78103868	CYL, 50 ppm Ammonia (NH ₃)	58L	18100883	18102509	18105841
18109106	CYL, 50 ppm Ammonia (NH ₃)	116L	18100883	18102509	18105841
18109392	CYL, 50 ppm Ammonia (NH ₃)	650L	n/a	n/a	18106740
18102913	CYL, 2.5% Carbon Dioxide (CO ₂)	103L	18100883	18102509	18105841
18104208	CYL, 5.0% Carbon Dioxide (CO ₂)	103L	18100883	18102509	18105841
18102163	CYL, 100 ppm Carbon Monoxide (CO)	103L	18100883	18102509	18105841
18103101	CYL, 100 ppm Carbon Monoxide (CO)	552L	18102260	18103549	18105833
18101758	CYL, 10 ppm Chlorine (Cl ₂)	58L	18100883	18102509	18105841
18109082	CYL, 10 ppm Chlorine (Cl ₂)	116L	18100883	18102509	18105841
18106955	CYL, 10 ppm Chlorine (Cl ₂)	650L	18103374	18103556	18105858
18102996	CYL, 500 ppm Hydrogen (H ₂)	103L	18100883	18102509	18105841
18102154	CYL, 10 ppm Hydrogen Chloride (HCl)	58L	18100883	18102509	18105841
18109088	CYL, 10 ppm Hydrogen Chloride (HCl)	116L	18100883	18102509	18105841
18106963	CYL, 10 ppm Hydrogen Chloride (HCl)	650L	18103374	18103556	18105858
18100859	CYL, 25 ppm Hydrogen Sulfide (H ₂ S)	58L	18100883	18102509	18105841
18109078	CYL, 25 ppm Hydrogen Sulfide (H ₂ S)	116L	18100883	18102509	18105841
18106633	CYL, 25 ppm Hydrogen Sulfide (H ₂ S)	650L	18103374	18103556	18105858
18109132	CYL, 25 ppm Hydrogen Sulfide (H ₂ S)	4,000L	n/a	18103556	18105858
18102152	CYL, 10 ppm Hydrogen Cyanide (HCN)	58L	18100883	18102509	18105841
18109085	CYL, 10 ppm Hydrogen Cyanide (HCN)	116L	18100883	18102509	18105841
18107839	CYL, 10 ppm Hydrogen Cyanide (HCN)	650L	n/a	n/a	18106740
18102939	CYL, 100 ppm Isobutylene	103L	18100883	18102509	18105841
18107375	CYL, 100 ppm Isobutylene	552L	18102260	18103549	18105833
18101378	CYL, 2.5% Methane (CH ₄)	103L	18100883	18102509	18105841
18104778	CYL, 99% Methane (CH ₄)	34L	18100883	18102509	18105841
18102153	CYL, 25 ppm Nitric Oxide (NO)	58L	18100883	18102509	18105841
18109091	CYL, 25 ppm Nitric Oxide (NO)	116L	18100883	18102509	18105841
18107722	CYL, 25 ppm Nitric Oxide (NO)	650L	n/a	n/a	18106740
18102219	CYL, 5 ppm Nitrogen Dioxide (NO ₂)	58L	18100883	18102509	18105841
18109087	CYL, 5 ppm Nitrogen Dioxide (NO ₂)	116L	18100883	18102509	18105841
18105882	CYL, 5 ppm Nitrogen Dioxide (NO ₂)	650L	n/a	n/a	18106740
18101477	CYL, 25 ppm Nitrogen Dioxide (NO ₂)	58L	18100883	18102509	18105841
18109084	CYL, 25 ppm Nitrogen Dioxide (NO ₂)	116L	18100883	18102509	18105841
18107730	CYL, 25 ppm Nitrogen Dioxide (NO ₂)	650L	n/a	n/a	18106740
18104059	CYL, 1.0 ppm Phosphine (PH ₃)	58L	18100883	18102509	18105841
18102222	CYL, 5 ppm Sulfur Dioxide (SO ₂)	58L	18100883	18102509	18105841
18109086	CYL, 5 ppm Sulfur Dioxide (SO ₂)	116L	18100883	18102509	18105841
18108126	CYL, 5 ppm Sulfur Dioxide (SO ₂)	650L	n/a	n/a	18106740
18101220	CYL, 10 ppm Sulfur Dioxide (SO ₂)	58L	18100883	18102509	18105841
18109079	CYL, 10 ppm Sulfur Dioxide (SO ₂)	116L	18100883	18102509	18105841
18105817	CYL, 10 ppm Sulfur Dioxide (SO ₂)	650L	n/a	n/a	18106740
18109414	CYL, 10 ppm Sulfur Dioxide (SO ₂)	4,000L	n/a	n/a	18106740
18101584	CYL, Zero Grade Air (20.9% Oxygen)	103L	18100883	18102509	18105841
18102320	CYL, Zero Grade Air (20.9% Oxygen)	552L	18102260	18103549	18105833
18109247	CYL, Zero Grade Air (20.9% Oxygen)	4,000L	n/a	18103549	18105833

NOTE: Calibration gas cylinder expiration times vary due to gas type. Please contact Industrial Scientific for detailed information.

Industrial Scientific Calibration Kits come equipped with everything you need to keep your gas monitoring devices operating accurately and reliably. Kits contain certified NIST-traceable (National Institute of Standards & Technology) span gases for safe, reliable instrument calibration. Complete kits are available for all installed sensors and include:

- Convenient carrying case
- Non-refillable cylinders
- Flow regulator

See all options at
www.indsci.com/cal-gas



PART NO.	DESCRIPTION	Vol
18102269	KIT, 100 ppm CO, 18% O ₂ , 25% LEL Pentane	103L
18102270	KIT, 100 ppm CO, 19% O ₂ , 2.5% Methane	103L
18109137	KIT, 100 ppm CO, 25 ppm H ₂ S, 18% O ₂ , 25% LEL Pentane	116L
18109139	KIT, 100 ppm CO, 25 ppm H ₂ S, 18% O ₂ , 25% LEL Pentane with Demand Flow Regulator	116L
18109138	KIT, 100 ppm CO, 25 ppm H ₂ S, 18% O ₂ , 2.5% Methane	116L
18103317	KIT, 100 ppm CO, 2.5% CO ₂ , 18% O ₂ , 25% LEL Pentane	103L
18102147	KIT, 25 ppm Ammonia (NH ₃)	58L
18103275	KIT, 5.0% Carbon Dioxide (CO ₂)	34L
18102162	KIT, 100 ppm Carbon Monoxide (CO)	103L
18101741	KIT, 10 ppm Chlorine (Cl ₂)	58L
18102148	KIT, 10 ppm Hydrogen Chloride (HCl)	58L
18102149	KIT, 10 ppm Hydrogen Cyanide (HCN)	58L
18109135	KIT, 25 ppm Hydrogen Sulfide (H ₂ S)	116L
18101303	KIT, 2.5% Methane	34L
18102491	KIT, 99% Methane	34L
18102150	KIT, 25 ppm Nitric Oxide (NO)	58L
18102238	KIT, 5 ppm Nitrogen Dioxide (NO ₂)	58L
18101469	KIT, 25 ppm Nitrogen Dioxide (NO ₂)	58L
18101261	KIT, 25% LEL Pentane	34L
18102239	KIT, 5 ppm Sulfur Dioxide (SO ₂)	58L
18101212	KIT, 10 ppm Sulfur Dioxide (SO ₂)	58L



BUMP-N-GO™ BUMP TEST GAS

Bump testing gas detectors before each day's use is the only way to be sure that the sensors respond to gas. Bump-N-Go is a portable bump test cylinder that goes where the work is, so you can still bump test without access to a docking station or calibration gas.

- Bump test any time, anywhere with a pocket-sized gas cylinder
- Get 250 bumps out of one bottle, at a lower cost-per-bump, thanks to a pushbutton regulator that eliminates wasted gas
- Enjoy lower shipping costs with no hazardous material fees for ground shipments
- Convenient six-pack option saves time and money

See all features and benefits at
www.indsci.com/bump-n-go

SPECIFICATIONS

CYLINDER SHELF LIFE

1 year

CYLINDER HEIGHT

97.5 mm (3.84 in)

CYLINDER DIAMETER

48 mm (1.90 in)

CYLINDER WEIGHT

.204 kgs (0.45 lbs)

TEMPERATURE

Protect from sunlight and do not expose to temperatures exceeding 50 °C (122 °F)

CYLINDER STORAGE

Remove regulator prior to storage. Cylinders should be firmly secured to prevent falling or being knocked over. Store in a dry, well-ventilated area, away from sources of heat, ignition, and direct sunlight.

USE

Bump-N-Go Cylinders are for bump testing only. Do not use for calibration.

INDIVIDUAL CYLINDERS

PART NUMBER	DESCRIPTION
18109566	Bump-N-Go Cylinder, 100 ppm CO
18109567	Bump-N-Go Cylinder, 40 ppm H ₂ S
18109568	Bump-N-Go Cylinder, 100 ppm CO, 75 ppm H ₂ S, 15% O ₂ , 25% LEL (Methane)
18109597	Bump-N-Go Cylinder, 100 ppm CO, 75 ppm H ₂ S, 15% O ₂ , 50% LEL (Methane)

SIX-PACK CYLINDERS

18109579	Bump-N-Go Cylinder, 6-pack, 100 ppm CO
18109578	Bump-N-Go Cylinder, 6-pack, 40 ppm H ₂ S
18109577	Bump-N-Go Cylinder, 6-pack, 100 ppm CO, 75 ppm H ₂ S, 15% O ₂ , 25% LEL (Methane)
18109598	Bump-N-Go Cylinder, 6-pack, 100 ppm CO, 75 ppm H ₂ S, 15% O ₂ , 50% LEL (Methane)

REGULATOR

18109565	Pushbutton regulator for use with Bump-N-Go Cylinders
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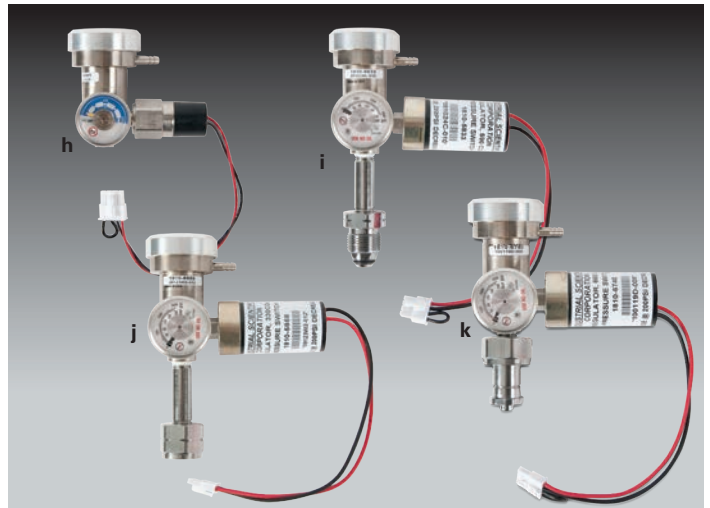
Regulators provide the proper flow rate for calibrating your Industrial Scientific gas monitors. Always use the appropriate regulator for the application as recommended in the instruction manual.



- (a) 18100933 - 34 L Regulator (1/2 L/min flow)
- (b) 18102509 - 58/103 L Demand Flow Regulator
- (c) 18103564 - 34 L Demand Flow Regulator
- (d) 18102260 - 552 L Regulator (1/2 L/min flow)
- (e) 18100883 - 58/103 L Regulator (1/2 L/min flow)
- (f) 18102155 - 58/103 L Ammonia Regulator
- (g) 18103580 - 58/103 L Bump Test Regulator



MX6 iBrid DSX Docking Station shown with a Demand Flow Regulator (18105841) and cylinder connected to an iGas® Reader (18105684).



- (h) 18105841 - 58/103/34L Demand Flow Regulator with iGas Pressure Switch
- (i) 18105833 - 552L Demand Flow Regulator, 590 CGA with iGas Pressure Switch
- (j) 18105858 - 650L Demand Flow Regulator, 330 CGA with iGas Pressure Switch
- (k) 18106740 - Demand Flow Regulator, 660 CGA with iGas Pressure Switch

- (l) 18105924 - 5-port Clamp-on Gas Manifold



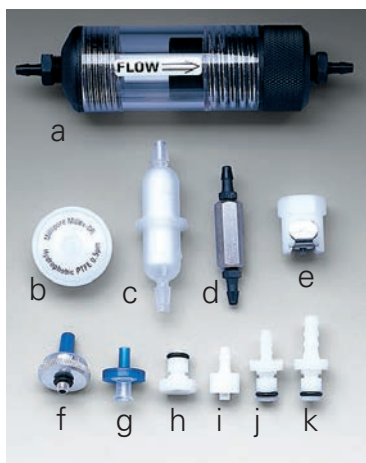
REGULATORS

PART NO.	DESCRIPTION
18100933	(a) 34L Regulator (1/2L/min flow)
18102509	(b) 58/103L Demand Flow Regulator (and 34L Aluminum Cylinders)
18103564	(c) 34L Demand Flow Regulator, CGA 600
18103549	552L Demand Flow Regulator, CGA 590
18103556	650L Demand Flow Regulator, CGA 330
18104158	Demand Flow Regulator, CGA 660
18106708	Demand Flow Regulator, CGA 705
18102260	(d) 552L Regulator (1/2 L/min flow), CGA 590
18100883	(e) 58/103L Regulator (and 34L Aluminum Cylinders) (1/2 L/min flow)
18102155	(f) 58/103L Ammonia Regulator (1 L/min flow)
18103580	(g) 58/103L Bump Test Regulator with Trigger
18103374	650L Regulator (1/2L/min flow), CGA 330
18104356	Regulator with Bump Test Trigger, CGA 590
18105924	5-Port Clamp-on Gas Manifold

DEMAND FLOW REGULATORS

PART NO.	DESCRIPTION
18105841	(h) 58/103/34L Demand Flow Regulator with iGas 150 PSI Pressure Switch
18109244	(h) 58/103/34L Demand Flow Regulator with iGas 250 PSI Pressure Switch
18105866	34L Demand Flow Regulator, 600 CGA with iGas 150 PSI Pressure Switch
18109243	34L Demand Flow Regulator, 600 CGA with iGas 250 PSI Pressure Switch
18105833	(i) 552L Demand Flow Regulator, 590 CGA with iGas 200 PSI Pressure Switch
18109241	(i) 552L Demand Flow Regulator, 590 CGA with iGas 500 PSI Pressure Switch
18105858	(j) 650L Demand Flow Regulator, 330 CGA with iGas 200 PSI Pressure Switch
18109242	(j) 650L Demand Flow Regulator, 330 CGA with iGas 500 PSI Pressure Switch
18106740	(k) Demand Flow Regulator, 660 CGA with iGas 200 PSI Pressure Switch
18109246	(k) Demand Flow Regulator, 660 CGA with iGas 500 PSI Pressure Switch
18106757	Demand Flow Regulator, 705 CGA with iGas Pressure Switch
18101766	58/103L Regulator (1 L/min flow)

Remote sampling allows employees to assess air samples from an unknown and potentially toxic or combustible atmosphere using a pumped gas monitor before they enter the area. Adequate air flow is critical for proper remote sampling. All filters should be replaced when dirt or water inhibits air flow. Quick disconnect fittings allow easy connection to secure tubing to sampling pumps.



Additional Remote Sampling Equipment:

- (a) Inline High Capacity Water Stop
- (b) Dust Filter/WaterStop for Docking Station Fresh Air Inlet
- (c) Inline Dust Filter for iSP/ SP402/SP202/SP100 Pumps
- (d) Dilution Tube
- (e) Quick Disconnect Fitting, Female
- (f) Replacement Filters (Package of 5)
- (g) Internal Dust Filter/WaterStop for MX6/ATX Series
- (h) Quick Disconnect Fitting, Male, Threaded
- (i) Luer Fitting, Male, 1/8 in or 3/16 in Barb
- (j) Quick Disconnect Fitting, Male, 1/8 in Barb
- (k) Quick Disconnect Fitting, Male, 3/16 in Barb



- (l) 17037961 – Carrying Case for 2 Cylinders (58 L)
- (m) 17124348 – Wall/Desk Mount Cylinder Holder for use with 34, 58, 116, and 552 liter cylinders (cylinder not included)

ADDITIONAL REMOTE SAMPLING EQUIPMENT

PART NO.	DESCRIPTION
18102277	(a) Inline High Capacity Water Stop
17057803	Replacement Gortex Filter Insert for 18102277
17027152	(b) White Disc Filter
18109558	(b) White Disc Filter (pack of 10)
17050908	(c) Inline Dust Filter 10 micron, with adaptors for MX6 iBrid Ventis, VSP pumps
17041740	(d) Dilution Tube (for use with Sampling Pumps)
17050688	(e) Quick Disconnect Fitting, Female
17024597	(f) Replacement Filter for 6' Extendible Probe
18109559	(f) Replacement Filters for 6' Extendible Probe (Pack of 3)
17058157	(g) Internal Dust Filter/WaterStop
17051611	(h) Quick Disconnect Fitting, Male, Threaded
17048273	(i) Luer Fitting, Male, 3.175 mm (1/8 in) Barb
17050698	(i) Luer Fitting Male, 4.7625 mm (3/16 in) Barb
17050689	(j) Quick Disconnect Fitting, Male, 3.175 mm (1/8 in) Barb
17050775	(k) Quick Disconnect Fitting, Male, 4.7625 mm (3/16 in) Barb
17051319	Dust Filter/WaterStop for Docking Station Fresh Air Inlet
17051701	Replacement Probe Fitting for 18101386
17136540	SP6 Filter Cap (used with 18105155-X)
17152395	Internal Dust Filter/Water Stop for Ventis Slide-on Pump
17068099	3/16" To 1/8" Reducer
17129909	MX6 iBrid/Ventis Filter cap

PROBE TUBING KITS – for use with 18101386 probe

18108043	Probe Tubing Kit for MX6 iBrid/Ventis – Urethane (Not for use with Cl ₂ , ClO ₂ , HCl, or PID sensors)
18108093	Probe Tubing Kit for MX6 iBrid/Ventis – Teflon lined (For use with all sensors)

UNIVERSAL URETHANE SAMPLE TUBING KIT WITH DUST FILTER/WATER STOP

PART NO.	LENGTH	PART NO.	LENGTH
18109207-10	3 m / 10 ft	18109207-60	18.3 m / 60 ft
18109207-20	6.1 m / 20 ft	18109207-70	21.3 m / 70 ft
18109207-30	9.1 m / 30 ft	18109207-80	24.4 m / 80 ft
18109207-40	12.2 m / 40 ft	18109207-90	27.4 m / 90 ft
18109207-50	15.2 m / 50 ft	18109207-100	30.5 m / 100 ft

NOTE: Not for use with Cl₂, ClO₂, HCl, or PID Sensors

UNIVERSAL TEFLON LINED SAMPLE TUBING KIT WITH DUST FILTER/WATER STOP

PART NO.	LENGTH	PART NO.	LENGTH
18109206-10	3 m / 10 ft	18109206-60	18.3 m / 60 ft
18109206-20	6.1 m / 20 ft	18109206-70	21.3 m / 70 ft
18109206-30	9.1 m / 30 ft	18109206-80	24.4 m / 80 ft
18109206-40	12.2 m / 40 ft	18109206-90	27.4 m / 90 ft
18109206-50	15.2 m / 50 ft	18109206-100	30.5 m / 100 ft

NOTE: For use with all sensors

MISCELLANEOUS CALIBRATION EQUIPMENT

PART NO.	DESCRIPTION
18105684	iGas® Reader
17041807	Calibration Log, (tablet of 50 sheets)
17045873	Calibration Label
17037961	(l) Carrying Case for 2 Cylinders (58/103 L)
18100149	Carrying Case for 2 Cylinders (34 L) with 0.5 LPM Regulator
17154096	Carry Case for 2 Cylinder (116L)
17124348	(m) Wall/Desk Mount Cylinder Holder
17113275	Cylinder Recycling Tool (58L, 103L steel)
17113283	Cylinder Recycling Tool (34L)